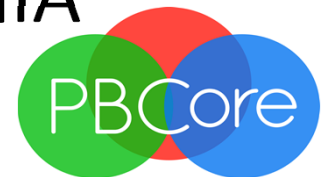


**RDF Ontology Hackathon**

**#pbcorerdf15**

# What is PBCore?

- XML schema developed by public broadcasting community
- Descriptive, intellectual property, and technical metadata about video and audio
- Under further development by the AAPB and PBCore Advisory Subcommittee of AMIA



# PBCore Development Goals

- Launch updated schema (2.1) in Spring 2015
- Update and create better documentation
- Create new and improved website
- Continue educating orgs about the schema
- Conduct outreach to the community
- ...and develop an RDF ontology



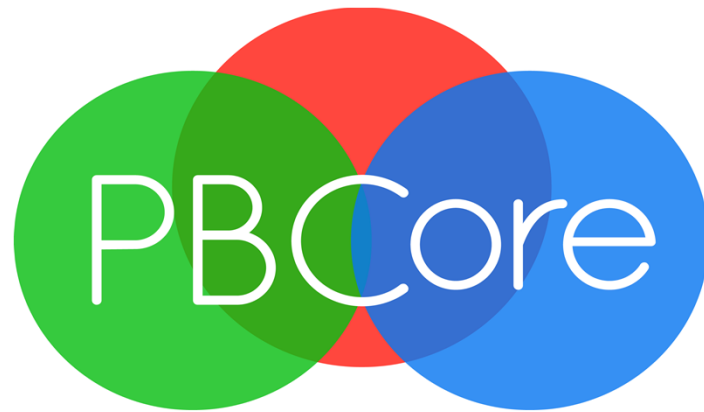
# Why RDF?

- Growing number of PBCore users contributing to Hydra community
- Migration from Fedora 3 → Fedora 4
- Forthcoming use case: WGBH and Indiana University project to migrate HydraDAM to Fedora 4

#pbcorerdf15 participants

**EBU**


OPERATING EUROVISION AND EURORADIO



# #pbcorerdf15

- Reviewed existing ontologies including
  - PREMIS
  - VRACore
  - MODS
  - BIBFRAME
  - EBUCore
- Ultimately decided to conduct gap analysis between PBCore XML & EBUCore RDF

# http://github.com/WGBH/pbucore

 This repository Search Explore Gist Blog Help caseyedavis12 + - [notifications] [settings] [profile]

WGBH / pbucore Unwatch 16 Star 1 Fork 2


**Description**

**Website**  
 Save or Cancel

60 commits 9 branches 0 releases 5 contributors

branch: master pbucore / +

Updating .gitignore

 **awead** authored a day ago latest commit c797a3dd3e

rdf_xml	Create pbcoreSource_rdf_xml	3 days ago
source_xml	Create pbcoreSource_example	3 days ago
spec	Adds rspec.	3 days ago
.gitignore	Updating .gitignore	a day ago
.rspec	Adds rspec.	3 days ago
Gemfile	Adds rspec.	3 days ago
README.md	Update README.md	3 days ago

<> Code

Issues 14

Pull Requests 6

Wiki

Pulse

Graphs

Settings

**HTTPS** clone URL  
  
You can clone with **HTTPS**, **SSH**, or **Subversion**. ⓘ  
Clone in Desktop

```
PBCore_2_EBUCore_casey.xsl x pbcore2_6454.xml x pbcorePublisher.xml x Untitled4.xml* x pbcoreRightsSummary.xml x pbcoreGenre.xml x
35      </rdf:Description>
36    </xsl:for-each>
37    <xsl:for-each select="pbcoreCollection/pbcoreDescriptionDocument">
38      <rdf:Description rdf:about="{pbcoreIdentifier}">
39        <rdf:type
40          rdf:resource="http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#EditorialObject"/>
41        <!-- should be Item - extension PBCore -->
42        <rdf:type
43          rdf:resource="http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#EditorialObject"/>
44        <!-- should be Raw - extension PBCore -->
45        <rdfs:label rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
46          <xsl:value-of select="pbcoreTitle[@titleType='Episode']"/>
47        </rdfs:label>
48        <rdfs:label rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
49          <xsl:value-of select="pbcoreTitle[@titleType='Main']"/>
50        </rdfs:label>
51        <ebucore:hasPublicationHistory>
52          <ebucore:hasPublicationEvent>
53            <ebucore:publishedStarDateTime>
54              <xsl:value-of select="pbcoreAssetDate[@dateType='broadcast']"/>
55            </ebucore:publishedStarDateTime>
56          </ebucore:hasPublicationEvent>
57        </ebucore:hasPublicationHistory>
58        <ebucore:title>
59          <xsl:value-of select="pbcoreTitle[@titleType='Episode']"/>
```



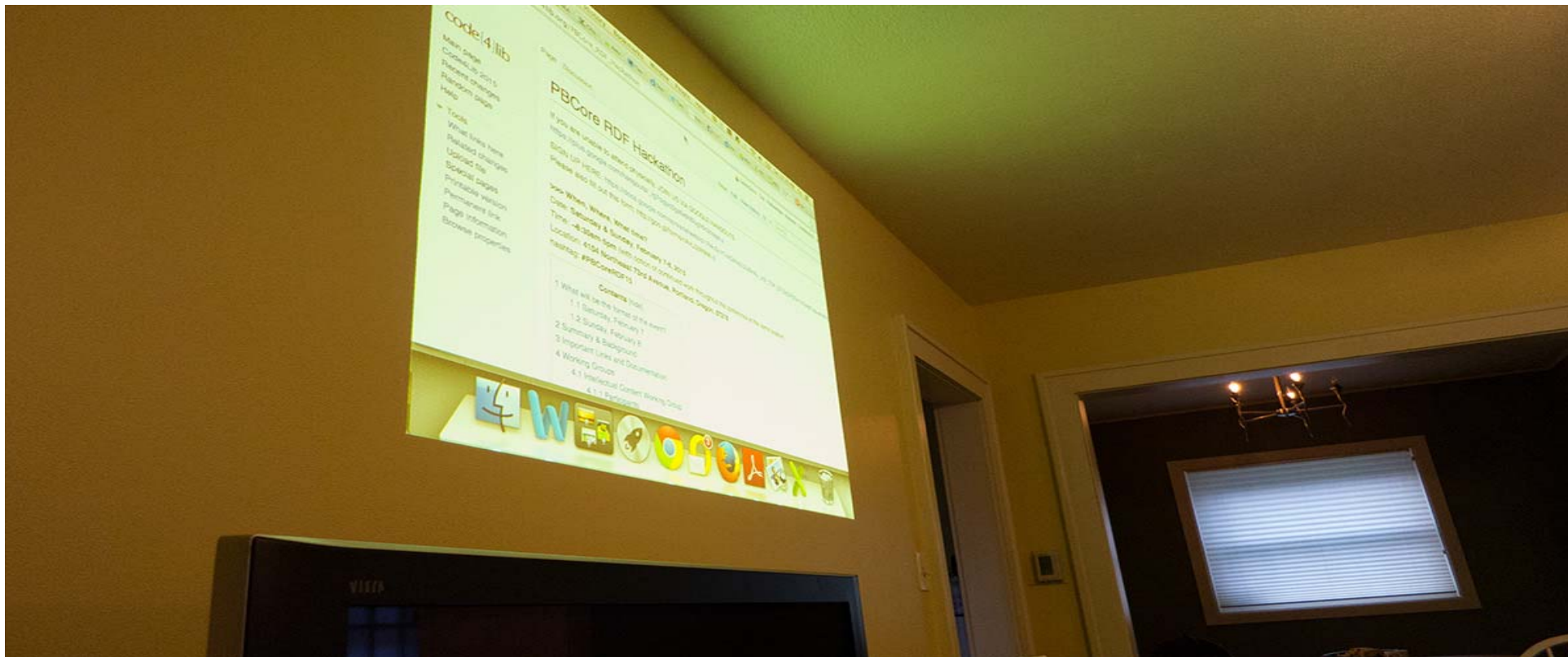
# #pbcorerdf15 workflow

- Identify node that needs to be worked on
- Create a GitHub issue
- Create a branch for the issue
- Discuss EBUCore mapping in the comments section
- Make proposed changes to the XSLT
- Publish changes
- Submit a pull request to the master branch

# Solution:

- Secure the support of our respective communities (PBCore & EBU)
- Continued efforts on the XSLT mapping
- Identify proposed extensions to EBUCore ontology
- Create PBCore namespace (or reuse other existing ontology terms) for minor property additions
- **Collaboration** between EBU and PBCore on updating existing ontology
- Continued support of PBCore XML 2.1 and community











# Takeaways

- Face-to-face meetings so much more efficient than virtual meetings
- No need to reinvent the wheel; build upon existing work already well established
- International collaboration

# Many thanks!!!

- Karen Cariani, WGBH
- Jean-Pierre Evain, EBU
- Rebecca Fraimow, WGBH
- Jack Brighton, Illinois Public Media
- Peggy Griesinger, Museum of Modern Art (MOMA)
- Glenn Clatworthy, PBS
- Rebecca Guenther, New York University
- Julie Louise Hardesty, Indiana University
- Cliff Ingham, City of Bloomington
- Laurence Cook, MetaCirque
- Adam Wead, Penn State
- Andrew Myers, WGBH
- Casey E. Davis, WGBH